

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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EB06798 - Goat Anti-Aminopeptidase A Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: aminopeptidase A, ENPEP, glutamyl aminopeptidase (aminopeptidase

A), HGNC:3355, APA, gp160, CD249, glutamyl aminopeptidase

Official Symbol: ENPEP

Accession Number(s): NP_001968.3

Human GeneID(s): 2028

Non-Human GenelD(s): 13809 (mouse)

Immunogen

Peptide with sequence C-EQYQKTSLAQEKEK, from the internal region of the protein sequence according to NP_001968.3.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

Western blot: Approx 170kDa band observed in Human Brain and Testis lysates (calculated MW of 109kDa according to NP_001968.2). Primary incubation was for 1 hour. The observed molecular weight corresponds to earlier findings in literature with different antibodies (Ando et al, J Clin Endocrinol Metab. 2002 May;87(5):2303-9; PMID: 11994381). Recommended concentration: 1-3µg/ml. This antibody has been successfully used in WB on Rat: PMID: 28399178 and 25470983.

IHC: In paraffin embedded Human Kidney shows staining of basement membrane and the mesangium in the glomerulus. Recommended concentration: 3-5µg/ml.

Species Reactivity

Tested: Human, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

Specific References

This antibody has been successfully used in WB on Rat:

Quesada A, Segarra AB, Montoro-Molina S, de Gracia MD, Osuna A, O'Valle

F, Gómez-Guzmán M, Vargas F, Wangensteen R.

Glutamyl aminopeptidase in microvesicular and exosomal fractions of urine is related with renal dysfunction in cisplatin-treated rats.

PLoS One. 2017 Apr 11;12(4):e0175462

PMID: 28399178

This antibody has been successfully used in WB on Rat:

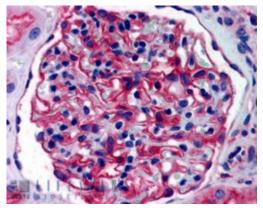
Montoro-Molina S, Quesada A, Zafra-Ruiz PV, O'Valle F, Vargas F, de Gracia Mdel C, Osuna A, Wangensteen R

Immunological detection of glutamyl aminopeptidase in urine samples from cisplatin-treated rats. Proteomics Clin Appl. 2015 Jun;9(5-6):630-5.

PMID: 25470983

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa 15kDa

EB06798 staining (1μg/ml) of Human Testis lysate (RIPA buffer, 30μg total protein per lane). Detected by chemiluminescence.



EB06798 (3.75 μ g/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.